

- Abdullah F.** Computer-aided Modelling of Pressure Balances, N.D. Samaan, F. Abdullah, 641-644.
- Alasia F.** A New Generation of Mercury Manometers at the IMGC, F. Alasia, A. Capelli, G. Cignolo, M. Sardi, 571-577.
- Alexandrov Yu.I.** On the Definition of Freezing Points in the ITS-90, Yu. I. Alexandrov, A.G. Ivanova, A.I. Pokhodun, 49-52.
- Allison L.J.** An Anecdotal Review of NASA Earth Observing Satellite Remote Sensors and Radiometric Calibration Methods, J. Nithianandam, B.W. Guenther, L.J. Allison, 207-212.
- Ancsin J.** Intercomparing the Freezing Behaviour of Silver Cells of the NRC and the ITRI, 23-30.
- , A Gallium Calibration Apparatus, J. Ancsin, 105-106.
- , Contamination of Platinum Resistance Thermometers by Silver, J. Ancsin, K.D. Hill, 507-509.
- Astrov D.N.** Intercomparison of Primary Manometers in the Range 30 kPa to 110 kPa: Pressure Balance at the LNE and Mercury Manometer at the VNIIFTRI, D.N. Astrov, J. Guillemot, J.C. Legras, A.A. Zakharov, 711-715.
- Avis L.M.** In-flight Evaluations of Tungsten Calibration Lamps Using Shortwave Thermistor Bolometers and Active-cavity Radiometers, R.B. Lee III, L.M. Avis, M.A. Gibson, S. Thomas, R. Wilson, 389-395.
- Bastie J.** Fatigue Effects in Germanium Photodetectors, P. Lecollinet, J. Bastie, 351-354.
- Baumont F.** Comparison of GPS Common-view and Two-way Satellite Time Transfer over a Baseline of 800 km, D. Kirchner, H. Ressler, P. Grudler, F. Baumont, Ch. Veillet, W. Lewandowski, W. Hanson, W. Klepczynski, P. Uhrich, 183-192.
- Bayer H.** International Comparison of Impedance in Coaxial Line at 100, 200, 300 MHz, J.P. Ide, H. Bayer, R.N. Jones, J.P.M. de Vreede, P.I. Somlo, 31-35.
- Bean V.E.** Experience in the Use of a Strain-gauge Pressure Transducer for Comparison in Liquid Media up to 600 MPa between the NIST and the IMGC, G.F. Molinar, R. Maghenzani, V.E. Bean, D. Ward, 717-720.
- , Dynamic Pressure Metrology, 737-741.
- , Development of a Primary Standard for the Measurement of Dynamic Pressure and Temperature, V.E. Bean, W.J. Bowers Jr., W.S. Hurst, G.J. Rosasco, 747-750.
- Bertinetto F.** Comparison of He-Ne Lasers from the LMM and the IMGC Stabilized on  $^{127}\text{I}_2$  at 633 nm, J. de Vicente, A.M. Sánchez-Pérez, F. Bertinetto, 503-506.
- Bianchi L.** A Free-rod Strain-gauge Pressure Transducer of 1 GPa Capacity, G.F. Molinar, R. Wisniewski, L. Bianchi, 691-694.
- Bich W.** Uncertainty Modelling in Mass Comparisons, W. Bich, M.G. Cox, P.M. Harris, 495-502.
- Birch K.P.** The Effect of Variations in the Refractive Index of Industrial Air upon the Uncertainty of Precision Length Measurement, K.P. Birch, F. Reinboth, R.E. Ward, G. Wilkening, 7-14.
- , An Updated Edlén Equation for the Refractive Index of Air, K.P. Birch, M.J. Downs, 155-162.
- Bittar A.** Uniformity of Quantum Efficiency of Single and Trap-configured Silicon Photodiodes, M.G. White, A. Bittar, 361-364.
- Boivin L.P.** Automated Absolute and Relative Spectral Linearity Measurements on Photovoltaic Detectors, 355-360.
- Bowers Jr. W.J.** Development of a Primary Standard for the Measurement of Dynamic Pressure and Temperature, V.E. Bean, W.J. Bowers Jr., W.S. Hurst, G.J. Rosasco, 747-750.
- Brown W.J.** The Maintenance of a Scale of Illuminance with Quartz Halogen Tungsten Filament Lamps, 45-47.
- Bruegge C.J.** Calibration Plans for the Multi-angle Imaging SpectroRadiometer (MISR), C.J. Bruegge, V.G. Duval, N.L. Chrien, D.J. Diner, 213-221.
- Caffrey R.T.** Calibration and Radiometric Stability of the Shuttle Solar Backscatter Ultraviolet (SSBUV) Experiment, E. Hilsenrath, D.E. Williams, R.T. Caffrey, R.P. Cebula, S.J. Hynes, 243-248.
- Cannon T.W.** Atmospheric Optical Calibration System for Outdoor Testing of Photovoltaic Devices, T.W. Cannon, R.L. Hulstrom, 409-417.
- Capelli A.** A New Generation of Mercury Manometers at the IMGC, F. Alasia, A. Capelli, G. Cignolo, M. Sardi, 571-577.
- Carneiro K.** Roughness of Smooth Surfaces: STM versus Profilometers, L.L. Madsen, J.F. Jørgensen, K. Carneiro, H.S. Nielsen, 513-516.
- Carol Johnson B.** A Method of Realizing Spectral Irradiance Based on an Absolute Cryogenic Radiometer, B. Carol Johnson, C.L. Cromer, R.D. Saunders, G. Eppeldauer, J. Fowler, V.I. Sapritsky, G. Dezi, 309-315.
- Cebula R.P.** Calibration and Radiometric Stability of the Shuttle Solar Backscatter Ultraviolet (SSBUV) Experiment, E. Hilsenrath, D.E. Williams, R.T. Caffrey, R.P. Cebula, S.J. Hynes, 243-248.
- Cezairliyan A.** Wavelength Dependence of Normal Spectral Emissivity at the Melting Point of Refractory Transition Metals, F. Righini, A. Rosso, A. Cezairliyan, A.P. Müller; Reply from C. Ronchi, J.P. Hiernaut, G.J. Hyland, 197-201.
- Chrien N.L.** Calibration Plans for the Multi-angle Imaging SpectroRadiometer (MISR), C.J. Bruegge, V.G. Duval, N.L. Chrien, D.J. Diner, 213-221.

- Christensen A.B.** SOURCE: The Solar Ultraviolet Radiation and Correlative Emissions Mission, P.L. Smith, J.L. Lean, A.B. Christensen, K.L. Harvey, D.L. Judge, R.L. Moore, M.R. Torr, T.N. Woods, 275-277.
- Chytil M.** The SMU Primary Mercury Manometer and its Comparison with Three Manometers of Different Design, P. Farár, T. Skrovánek, Z. Faltus, M. Chytil, 751-755.
- Cignolo G.** A New Generation of Mercury Manometers at the IMGC, F. Alasia, A. Capelli, G. Cignolo, M. Sardi, 571-577.
- Clare J.F.** Characterization of Two Bolometric Absolute Radiometers, 365-366.
- Clarkson M.T.** A General Approach to Comparisons in the Presence of Drift, C.M. Sutton, M.T. Clarkson, 487-493.
- Comi C.** A New Method for the Functional Characterization of Piston-Cylinder Assemblies, D. Marqués, J. Forastieri, C. Comi, N. Pomme, D. Jungman, 649-653.
- Cox M.G.** Uncertainty Modelling in Mass Comparisons, W. Bich, M.G. Cox, P.M. Harris, 495-502.
- Cresto P.C.** Elastic Distortion Calculations on a Special Piston Gauge (PG27) up to 28 MPa in Different Operational Modes, G.F. Molinar, P.C. Cresto, C. Ehrlich, J. Houck, 653-639.
- Cromer C.L.** Comparison of the NIST High Accuracy Cryogenic Radiometer and the NIST Scale of Detector Spectral Response, J.M. Houston, C.L. Cromer, J.E. Hardis, T.C. Larason, 285-290.
- , A Method of Realizing Spectral Irradiance Based on an Absolute Cryogenic Radiometer, B. Carol Johnson, C.L. Cromer, R.D. Saunders, G. Eppeldauer, J. Fowler, V.I. Sapritsky, G. Dezsí, 309-315.
- , Characterization of a High Sensitivity Composite Silicon Bolometer, G. Eppeldauer, A. Migdall, C. Cromer, 317-320.
- , The Application of an Optical Biasing Method to Determine Temperature-dependent Nonlinearity of Photovoltaic Ge Detectors, J.P. Makai, C.L. Cromer, 335-339.
- Crommelynck D.** Preliminary Results from the SOVA Experiment on Board the European Retrieable Carrier (EURECA), D. Crommelynck, V. Domingo, A. Fichot, C. Fröhlich, B. Penelle, J. Romero, Ch. Wehrli, 375-379.
- Daly P.** Comparison of GLONASS and GPS Time Transfers, P. Daly, N.P. Koshelyaevsky, W. Lewandowski, G. Petit, C. Thomas, 89-94.
- Damon J.P.** Means of Dynamic Calibration for Pressure Transducers, 743-746.
- Dargent L.** Digital Piston Manometers: Are they Primary or Transfer Standards?, 659-663.
- Datla R.U.** Intercomparison between the NIST LBIR Absolute Cryogenic Radiometer and an Optical Trap Detector, S.R. Lorentz, R.U. Datla, 341-344.
- Davis S.J.** An Iodine Standard Lamp, S.J. Davis, K.W. Holtzclaw, K.R. McManus, L.G. Piper, 249-254.
- Daywitt W.C.** The Noise Temperature of an Arbitrarily Shaped Microwave Cavity with Application to a Set of Millimetre Wave Primary Standards, 471-478.
- De Vicente J.** Comparison of He-Ne Lasers from the LMM and the IMGC Stabilized on  $^{127}\text{I}_2$  at 633 nm, J. de Vicente, A.M. Sánchez-Pérez, F. Bertinotto, 503-506.
- De Vreede J.P.M.** International Comparison of Impedance in Coaxial Line at 100, 200, 300 MHz, J.P. Ide, H. Bayer, R.N. Jones, J.P.M. de Vreede, P.I. Somlo, 31-35.
- Dezsi G.** A Method of Realizing Spectral Irradiance Based on an Absolute Cryogenic Radiometer, B. Carol Johnson, C.L. Cromer, R.D. Saunders, G. Eppeldauer, J. Fowler, V.I. Sapritsky, G. Dezsí, 309-315.
- Diner D.J.** Calibration Plans for the Multi-angle Imaging SpectroRadiometer (MISR), C.J. Bruegge, V.G. Duval, N.L. Chrien, D.J. Diner, 213-221.
- Do J.Y.** Effect of Free Convection on the Apparent Mass of 1 kg Mass Standards, M. Gläser, J.Y. Do, 67-73.
- Domingo V.** Preliminary Results from the SOVA Experiment on Board the European Retrieable Carrier (EURECA), D. Crommelynck, V. Domingo, A. Fichot, C. Fröhlich, B. Penelle, J. Romero, Ch. Wehrli, 375-379.
- Dopheide D.** Three-component Laser Doppler Anemometer for Gas Flowrate Measurements up to 5 500 m<sup>3</sup>/h, D. Dopheide, V. Strunk, E.-A. Krey, 453-469.
- Downs M.J.** An Updated Edlén Equation for the Refractive Index of Air, K.P. Birch, M.J. Downs, 155-162.
- Durant N.M.** A Physical Basis for the Extrapolation of Silicon Photodiode Quantum Efficiency into the Ultraviolet, N.M. Durant, N.P. Fox, 345-350.
- Duval V.G.** Calibration Plans for the Multi-angle Imaging SpectroRadiometer (MISR), C.J. Bruegge, V.G. Duval, N.L. Chrien, D.J. Diner, 213-221.
- Ehrlich C.** A Review of Gas-operated Piston Gauges, 585-590.
- , Elastic Distortion Calculations on a Special Piston Gauge (PG27) up to 28 MPa in Different Operational Modes, G.F. Molinar, P.C. Cresto, C. Ehrlich, J. Houck, 635-639.
- , Gas and Mode, Vertical and Rotational Effects with a Three Piston Gauge Apparatus, J.W. Schmidt, B.E. Welch, C.D. Ehrlich, 659-602.
- Eppeldauer G.** A Method of Realizing Spectral Irradiance Based on an Absolute Cryogenic Radiometer, B. Carol Johnson, C.L. Cromer, R.D. Saunders, G. Eppeldauer, J. Fowler, V.I. Sapritsky, G. Dezsí, 309-315.
- , Characterization of a High Sensitivity Composite Silicon Bolometer, G. Eppeldauer, A. Migdall, C. Cromer, 317-320.
- Faltus Z.** The SMU Primary Mercury Manometer and its Comparison with Three Manometers of Different Design, P. Farár, T. Skrovánek, Z. Faltus, M. Chytil, 751-755.
- Farár P.** The SMU Primary Mercury Manometer and its Comparison with Three Manometers of Different Design, P. Farár, T. Skrovánek, Z. Faltus, M. Chytil, 751-755.

- Fichot A.** Preliminary Results from the SOVA Experiment on Board the European Retrieval Carrier (EURECA), D. Crommelynck, V. Domingo, A. Fichot, C. Fröhlich, B. Penelle, J. Romero, Ch. Wehrli, 375-379.
- Fischer J.** Characterization of Photodiodes in the UV and Visible Spectral Region Based on Cryogenic Radiometry, Fu Lei, J. Fischer, 297-303.
- . Present State of the Comparison between Radiometric Scales Based on Three Primary Standards, M. Stock, J. Fischer, R. Friedrich, H.J. Jung, R. Thornagel, G. Ulm, B. Wende, 439-449.
- Fitzgerald M.P.** Analysis of Piston-Cylinder Systems and the Calculation of Effective Areas, M.P. Fitzgerald, A.H. McIlraith, 631-634.
- Flowers J.L.** A Measurement of the Nuclear Magnetic Moment of the Helium-3 Atom in Terms of that of the Proton, J.L. Flowers, B.W. Petley, M.G. Richards, 75-87.
- Folkman M.A.** Clouds and the Earth's Radiant Energy System (CERES): Long-wave Calibration Plan and Radiometric Test Model (RTM) Calibration Results, P.J. Jarecke, M.A. Folkman, T.R. Hedman, M.E. Frink, 223-230.
- Forastieri J.** A New Method for the Functional Characterization of Piston-Cylinder Assemblies, D. Marqués, J. Forastieri, C. Comi, N. Pomme, D. Jungman, 649-653.
- Foukal P.V.** Application of Cryogenic Electrical Substitution Radiometers in the Calibration of Solar-Terrestrial Remote Sensing Instruments, P.V. Foukal, J. Jauniskis, 279-283.
- Fowler J.** A Method of Realizing Spectral Irradiance Based on an Absolute Cryogenic Radiometer, B. Carol Johnson, C.L. Cromer, R.D. Saunders, G. Eppeldauer, J. Fowler, V.I. Sapritsky, G. Dezi, 309-315.
- Fowler W.K.** Performance of Various Diffuser Materials in the Absolute Radiometric Calibration of the SBUV/2, W.K. Fowler, V.W. Nelson, 255-257.
- . Comparison of Spectral Radiance Calibrations of SBUV-2 Satellite Ozone Monitoring Instruments Using Integrating Sphere and Flat-Plate Diffuser Techniques, D.F. Heath, Zhongying Wei, W.K. Fowler, V.W. Nelson, 259-264.
- Fox N.P.** Cryogenic Solar Absolute Radiometer (CSAR), J.E. Martin, N.P. Fox, 305-308.
- . Improved Near-Infrared Detectors, 321-325.
- . A Physical Basis for the Extrapolation of Silicon Photodiode Quantum Efficiency into the Ultraviolet, N.M. Durant, N.P. Fox, 345-350.
- Frantsuz E.T.** Some Recommendations for the Designers of the Next Generation of Superconducting Magnetic Levitation Systems, E.T. Frantsuz, V.M. Khavinson, 15-21.
- Frenkel R.B.** A Superconductor Analogue of the Thompson-Lampard Theorem of Electrostatics and its Possible Application to a New SI Standard of DC Resistance, 117-132.
- Friedrich R.** Present State of the Comparison between Radiometric Scales Based on Three Primary Standards, M. Stock, J. Fischer, R. Friedrich, H.J. Jung, R. Thornagel, G. Ulm, B. Wende, 439-449.
- Frink M.E.** Clouds and the Earth's Radiant Energy System (CERES): Long-wave Calibration Plan and Radiometric Test Model (RTM) Calibration Results, P.J. Jarecke, M.A. Folkman, T.R. Hedman, M.E. Frink, 223-230.
- Fröhlich C.** Preliminary Results from the SOVA Experiment on Board the European Retrieval Carrier (EURECA), D. Crommelynck, V. Domingo, A. Fichot, C. Fröhlich, B. Penelle, J. Romero, Ch. Wehrli, 375-379.
- Fu Lei,** Characterization of Photodiodes in the UV and Visible Spectral Region Based on Cryogenic Radiometry, Fu Lei, J. Fischer, 297-303.
- Fujita D.** Surface Analytical Study of Cleaning Effects and the Progress of Contamination on Prototypes of the Kilogram, S. Ikeda, K. Uchikawa, Y. Hashiguchi, M. Nagoshi, H. Kasamura, K. Shiozawa, D. Fujita, K. Yoshihara, 133-144.
- Gagnière J.** Hyperfine Structure Analysis of the 33P(6-3) Line of  $^{127}\text{I}_2$  at 633 nm Using a Continuous-wave Tunable Dye Laser, A. Razet, J. Gagnière, P. Juncar, 61-65.
- Gardner J.L.** Partial Coherence and Practical Radiometry, 419-423.
- Genevès G.** Observation and Precise Measurement of Subharmonic Voltage Steps on a 1 V Josephson Junction Array, G. Genevès, J.-P. Lo-Hive, D. Reymann, T.J. Witt, 511-512.
- Gibson M.A.** In-flight Evaluations of Tungsten Calibration Lamps Using Shortwave Thermistor Bolometers and Active-cavity Radiometers, R.B. Lee III, L.M. Avis, M.A. Gibson, S. Thomas, R. Wilson, 389-395.
- Ginzburg V.M.** Absolute Measurement of Quantum Efficiency Based on Parametric Down-conversion Effect, V.M. Ginzburg, N.G. Keratishvili, Ye.L. Korzhenevich, G.V. Lunev, A.N. Penin, 367-368.
- Gläser M.** Effect of Free Convection on the Apparent Mass of 1 kg Mass Standards, M. Gläser, J.Y. Do, 67-73.
- Godone A.** The Magnesium Frequency Standard, A. Godone, C. Novero, 163-181.
- Grudler P.** Comparison of GPS Common-view and Two-way Satellite Time Transfer over a Baseline of 800 km, D. Kirchner, H. Ressler, P. Grudler, F. Baumont, Ch. Veillet, W. Lewandowski, W. Hanson, W. Klepczynski, P. Uhrich, 183-192.
- Guenther B.W.** An Anecdotal Review of NASA Earth Observing Satellite Remote Sensors and Radiometric Calibration Methods, J. Nithianandam, B.W. Guenther, L.J. Allison, 207-212.
- Guillemot J.** Intercomparison of Primary Manometers in the Range 30 kPa to 110 kPa: Pressure Balance at the LNE and Mercury Manometer at the VNIIFTRI, D.N. Astrov, J. Guillemot, J.C. Legras, A.A. Zakharov, 711-715.

- Gupta A.C.** Effect of Line Pressure on the Zero Stability of a Differential Quartz Bourdon Gauge for Various Gases, J.K.N. Sharma, D.R. Sharma, A.C. Gupta, 37-43.
- Gupta D.** Standard of Specular Reflectance at Glancing Incidence for the Infrared Region, D. Gupta, S.P. Varma, 433-438.
- Hanson W.** Comparison of GPS Common-view and Two-way Satellite Time Transfer over a Baseline of 800 km, D. Kirchner, H. Ressler, P. Grudler, F. Baumont, Ch. Veillet, W. Lewandowski, W. Hanson, W. Klepczynski, P. Uhrich, 183-192.
- Hardis J.E.** Comparison of the NIST High Accuracy Cryogenic Radiometer and the NIST Scale of Detector Spectral Response, J.M. Houston, C.L. Cromer, J.E. Hardis, T.C. Larason, 285-290.
- Harris P.M.** Uncertainty Modelling in Mass Comparisons, W. Bich, M.G. Cox, P.M. Harris, 495-502.
- Harvey K.L.** SOURCE: The Solar Ultraviolet Radiation and Correlative Emissions Mission, P.L. Smith, J.L. Lean, A.B. Christensen, K.L. Harvey, D.L. Judge, R.L. Moore, M.R. Torr, T.N. Woods, 275-277.
- Hashiguchi Y.** Surface Analytical Study of Cleaning Effects and the Progress of Contamination on Prototypes of the Kilogram, S. Ikeda, K. Uchikawa, Y. Hashiguchi, M. Nagoshi, H. Kasamura, K. Shiozawa, D. Fujita, K. Yoshihara, 133-144.
- Heath D.F.** Comparison of Spectral Radiance Calibrations of SBUV-2 Satellite Ozone Monitoring Instruments Using Integrating Sphere and Flat-Plate Diffuser Techniques, D.F. Heath, Zhongying Wei, W.K. Fowler, V.W. Nelson, 259-264.
- Hedman T.R.** Clouds and the Earth's Radiant Energy System (CERES): Long-wave Calibration Plan and Radiometric Test Model (RTM) Calibration Results, P.J. Jarecke, M.A. Folkman, T.R. Hedman, M.E. Frink, 223-230.
- Heppner R.** An Ambient Background Transfer Standard Radiometer, J.W. Hoffman, R. Heppner, 265-269.
- Hiernaut J.P.** Wavelength Dependence of Normal Spectral Emissivity at the Melting Point of Refractory Transition Metals, F. Righini, A. Rosso, A. Cezairliyan, A.P. Miiller; Reply from C. Ronchi, J.P. Hiernaut, G.J. Hyland, 197-201.
- Hill K.D.** Contamination of Platinum Resistance Thermometers by Silver, J. Ancsin, K.D. Hill, 507-509.
- Hilsenrath E.** Calibration and Radiometric Stability of the Shuttle Solar Backscatter Ultraviolet (SSBUV) Experiment, E. Hilsenrath, D.E. Williams, R.T. Caffrey, R.P. Cebula, S.J. Hynes, 243-248.
- Hofer H.** Present State of the PTB Primary Standard for Radiant Power Based on Cryogenic Radiometry, K.D. Stock, H. Hofer, 291-296.
- Hoffman J.W.** An Ambient Background Transfer Standard Radiometer, J.W. Hoffman, R. Heppner, 265-269.
- Holberg J.B.** Using the *Voyager* Spacecraft for Solar EUV Spectral Radiometry, P.L. Smith, B.R. Sandel, J.B. Holberg, 397-401.
- Hollandt J.** Hollow Cathode Transfer Standards for the Radiometric Calibration of VUV Telescopes of the Solar and Heliospheric Observatory (SOHO), J. Hollandt, M.C.E. Huber, M. Kühne, 381-388.
- Holtzclaw K.W.** An Iodine Standard Lamp, S.J. Davis, K.W. Holtzclaw, K.R. McManus, L.G. Piper, 249-254.
- Houck J.** Elastic Distortion Calculations on a Special Piston Gauge (PG27) up to 28 MPa in Different Operational Modes, G.F. Molinar, P.C. Cresto, C. Ehrlich, J. Houck, 635-639.
- Houston J.M.** Comparison of the NIST High Accuracy Cryogenic Radiometer and the NIST Scale of Detector Spectral Response, J.M. Houston, C.L. Cromer, J.E. Hardis, T.C. Larason, 285-290.
- Huber M.C.E.** Hollow Cathode Transfer Standards for the Radiometric Calibration of VUV Telescopes of the Solar and Heliospheric Observatory (SOHO), J. Hollandt, M.C.E. Huber, M. Kühne, 381-388.
- Hulstrom R.L.** Atmospheric Optical Calibration System for Outdoor Testing of Photovoltaic Devices, T.W. Cannon, R.L. Hulstrom, 409-417.
- Hurst W.S.** Development of a Primary Standard for the Measurement of Dynamic Pressure and Temperature, V.E. Bean, W.J. Bowers Jr., W.S. Hurst, G.J. Rosasco, 747-750.
- Hyland G.J.** Wavelength Dependence of Normal Spectral Emissivity at the Melting Point of Refractory Transition Metals, F. Righini, A. Rosso, A. Cezairliyan, A.P. Miiller; Reply from C. Ronchi, J.P. Hiernaut, G.J. Hyland, 197-201.
- Hynes S.J.** Calibration and Radiometric Stability of the Shuttle Solar Backscatter Ultraviolet (SSBUV) Experiment, E. Hilsenrath, D.E. Williams, R.T. Caffrey, R.P. Cebula, S.J. Hynes, 243-248.
- Ide J.P.** International Comparison of Impedance in Coaxial Line at 100, 200, 300 MHz, J.P. Ide, H. Bayer, R.N. Jones, J.P.M. de Vreede, P.I. Somlo, 31-35.
- Ikeda S.** Surface Analytical Study of Cleaning Effects and the Progress of Contamination on Prototypes of the Kilogram, S. Ikeda, K. Uchikawa, Y. Hashiguchi, M. Nagoshi, H. Kasamura, K. Shiozawa, D. Fujita, K. Yoshihara, 133-144.
- Ikonen E.** Gauge-block Interferometer Based on One Stabilized Laser and a White-light Source, E. Ikonen, K. Riski, 95-104.
- Ivanova A.G.** On the Definition of Freezing Points in the ITS-90, Yu. I. Alexandrov, A.G. Ivanova, A.I. Pokhodun, 49-52.
- Jäger J.** Use of a Precision Mercury Manometer with Capacitance Sensing of the Menisci, 553-558.



- , EUROMET Intercomparison in the Pressure Range 100 MPa to 700 (1000) MPa, J.C. Legras, J. Jäger, G.F. Molinar, S. Palomino, J. Quintas, M.R. White, 721-725.
- Jarecke P.J.** Clouds and the Earth's Radiant Energy System (CERES): Long-wave Calibration Plan and Radiometric Test Model (RTM) Calibration Results, P.J. Jarecke, M.A. Folkman, T.R. Hedman, M.E. Frink, 223-230.
- Jauniskis L.** Application of Cryogenic Electrical Substitution Radiometers in the Calibration of Solar-Terrestrial Remote Sensing Instruments, P.V. Foukal, J. Jauniskis, 279-283.
- Jędrzejewski J.** Phase Transitions in Pure Castor Oil at Pressures Below 1 GPa, R. Wiśniewski, R.M. Siegoczyński, J. Jędrzejewski, 673-675.
- Jones R.N.** International Comparison of Impedance in Coaxial Line at 100, 200, 300 MHz, J.P. Ide, H. Bayer, R.N. Jones, J.P.M. de Vreede, P.I. Somlo, 31-35.
- Jørgensen J.F.** Roughness of Smooth Surfaces: STM versus Profilometers, L.L. Madsen, J.F. Jørgensen, K. Carneiro, H.S. Nielsen, 513-516.
- Judge D.L.** SOURCE: The Solar Ultraviolet Radiation and Correlative Emissions Mission, P.L. Smith, J.L. Lean, A.B. Christensen, K.L. Harvey, D.L. Judge, R.L. Moore, M.R. Torr, T.N. Woods, 275-277.
- Juncar P.** Hyperfine Structure Analysis of the  $^{33}\text{P}(6-3)$  Line of  $^{127}\text{I}_2$  at 633 nm Using a Continuous-wave Tunable Dye Laser, A. Razet, J. Gagnière, P. Juncar, 61-65.
- Jung H.J.** Present State of the Comparison between Radiometric Scales Based on Three Primary Standards, M. Stock, J. Fischer, R. Friedrich, H.J. Jung, R. Thornagel, G. Ulm, B. Wende, 439-449.
- Jungman D.** A New Method for the Functional Characterization of Piston-Cylinder Assemblies, D. Marqués, J. Forastieri, C. Comi, N. Pomme, D. Jungman, 649-653.
- Kaneda R.** New Mercury Interferometric Barometer as the Primary Pressure Standard of Japan, A. Ooiwa, M. Ueki, R. Kaneda, 565-570.
- Kasamura H.** Surface Analytical Study of Cleaning Effects and the Progress of Contamination on Prototypes of the Kilogram, S. Ikeda, K. Uchikawa, Y. Hashiguchi, M. Nagoshi, H. Kasamura, K. Shiozawa, D. Fujita, K. Yoshihara, 133-144.
- Keprt A.** A New Design of Manganin Gauge and its Metrological Characteristics, S.Y. Woo, A. Keprt, H.J. Lee, 687-690.
- Keratskhvili N.G.** Absolute Measurement of Quantum Efficiency Based on Parametric Down-conversion Effect, V.M. Ginzburg, N.G. Keratskhvili, Ye.L. Korzhenevich, G.V. Lunev, A.N. Penin, 367-368.
- Khavinson V.M.** Some Recommendations for the Designers of the Next Generation of Superconducting Magnetic Levitation Systems, E.T. Frantsuz, V.M. Khavinson, 15-21.
- Kirchner D.** Comparison of GPS Common-view and Two-way Satellite Time Transfer over a Baseline of 800 km, D. Kirchner, H. Ressler, P. Grudler, F. Baumont, Ch. Veillet, W. Lewandowski, W. Hanson, W. Klepczynski, P. Uhrich, 183-192.
- Klepczynski W.** Comparison of GPS Common-view and Two-way Satellite Time Transfer over a Baseline of 800 km, D. Kirchner, H. Ressler, P. Grudler, F. Baumont, Ch. Veillet, W. Lewandowski, W. Hanson, W. Klepczynski, P. Uhrich, 183-192.
- Klingenberg G.** Bilateral Comparative Pressure Measurements of the LNE and the PTB Using 10 cm<sup>2</sup> Piston-Cylinder Assemblies, G. Klingenberg, J.C. Legras, 603-606.
- Korzhenovich Ye.L.** Absolute Measurement of Quantum Efficiency Based on Parametric Down-conversion Effect, V.M. Ginzburg, N.G. Keratskhvili, Ye.L. Korzhenevich, G.V. Lunev, A.N. Penin, 367-368.
- Koshelyaevsky N.P.** Comparison of GLONASS and GPS Time Transfers, P. Daly, N.P. Koshelyaevsky, W. Lewandowski, G. Petit, C. Thomas, 89-94.
- Krey E.-A.** Three-component Laser Doppler Anemometer for Gas Flowrate Measurements up to 5 500 m<sup>3</sup>/h, D. Doppeide, V. Strunck, E.-A. Krey, 453-469.
- Kühne M.** Hollow Cathode Transfer Standards for the Radiometric Calibration of VUV Telescopes of the Solar and Heliospheric Observatory (SOHO), J. Hollandt, M.C.E. Huber, M. Kühne, 381-388.
- Larason T.C.** Comparison of the NIST High Accuracy Cryogenic Radiometer and the NIST Scale of Detector Spectral Response, J.M. Houston, C.L. Cromer, J.E. Hardis, T.C. Larason, 285-290.
- Lean J.L.** SOURCE: The Solar Ultraviolet Radiation and Correlative Emissions Mission, P.L. Smith, J.L. Lean, A.B. Christensen, K.L. Harvey, D.L. Judge, R.L. Moore, M.R. Torr, T.N. Woods, 275-277.
- Lecollinet P.** Fatigue Effects in Germanium Photodetectors, P. Lecollinet, J. Bastie, 351-354.
- Lee H.J.** A New Design of Manganin Gauge and its Metrological Characteristics, S.Y. Woo, A. Keprt, H.J. Lee, 687-690.
- Lee III R.B.** In-flight Evaluations of Tungsten Calibration Lamps Using Shortwave Thermistor Bolometers and Active-cavity Radiometers, R.B. Lee III, L.M. Avis, M.A. Gibson, S. Thomas, R. Wilson, 389-395.
- Legras J.C.** Bilateral Comparative Pressure Measurements of the LNE and the PTB Using 10 cm<sup>2</sup> Piston-Cylinder Assemblies, G. Klingenberg, J.C. Legras, 603-606.
- , Stability of Piston-Cylinder Assemblies from an Experience of Fifteen Years, 625-629.
- , Pressure Intercomparisons at the Lowest Level of Uncertainty: Transfer Standards and Results, 701-704.
- , Intercomparison of Primary Manometers in the Range 30 kPa to 110 kPa: Pressure Balance at the LNE and Mercury Manometer at the VNIIFTRI, D.N. Astrov, J. Guillemot, J.C. Legras, A.A. Zakharov, 717-720.

- , EUROMET Intercomparison in the Pressure Range 100 MPa to 700 (1000) MPa, J.C. Legras, J. Jäger, G.F. Molinar, S. Palomino, J. Quintas, M.R. White, 721-725.
- Lewandowski W.** Comparison of GLONASS and GPS Time Transfers, P. Daly, N.P. Koshelyaevsky, W. Lewandowski, G. Petit, C. Thomas, 89-94.
- , Comparison of GPS Common-view and Two-way Satellite Time Transfer over a Baseline of 800 km, D. Kirchner, H. Ressler, P. Grudler, F. Baumont, Ch. Veillet, W. Lewandowski, W. Hanson, W. Klepczynski, P. Uhrich, 183-192.
- Lisiansky B.E.** Low Temperature Black Body for Temperatures from 80 K to 300 K, S.P. Morozova, B.E. Lisiansky, P.A. Morozov, V.I. Sapritsky, 369-370.
- Lo-Hive J.-P.** Observation and Precise Measurement of Subharmonic Voltage Steps on a 1 V Josephson Junction Array, G. Genevès, J.-P. Lo-Hive, D. Reymann, T.J. Witt, 511-512.
- Lorentz S.R.** Intercomparison between the NIST LBIR Absolute Cryogenic Radiometer and an Optical Trap Detector, S.R. Lorentz, R.U. Datla, 341-344.
- Lunev G.V.** Absolute Measurement of Quantum Efficiency Based on Parametric Down-conversion Effect, V.M. Ginzburg, N.G. Keratishvili, Ye.L. Korzhenevich, G.V. Lunev, A.N. Penin, 367-368.
- Madsen L.L.** Roughness of Smooth Surfaces: STM versus Profilometers, L.L. Madsen, J.F. Jørgensen, K. Carneiro, H.S. Nielsen, 513-516.
- Maghenzani R.** Experience in the Use of a Strain-gauge Pressure Transducer for Comparison in Liquid Media up to 600 MPa between the NIST and the IMGC, G.F. Molinar, R. Maghenzani, V.E. Bean, D. Ward, 717-720.
- Makai J.P.** The Application of an Optical Biasing Method to Determine Temperature-dependent Nonlinearity of Photo-voltaic Ge Detectors, J.P. Makai, C.L. Cromer, 335-339.
- Marqués D.** A New Method for the Functional Characterization of Piston-Cylinder Assemblies, D. Marqués, J. Forastieri, C. Comi, N. Pomme, D. Jungman, 649-653.
- Martin J.E.** Cryogenic Solar Absolute Radiometer (CSAR), J.E. Martin, N.P. Fox, 305-308.
- McIlraith A.H.** Analysis of Piston-Cylinder Systems and the Calculation of Effective Areas, M.P. Fitzgerald, A.H. McIlraith, 631-634.
- McManus K.R.** An Iodine Standard Lamp, S.J. Davis, K.W. Holtzclaw, K.R. McManus, L.G. Piper, 249-254.
- Mecherikunnel A.** A Comparative Study of Solar Total Irradiance Measured by Active-cavity Radiometers, 271-273.
- Metzdorf J.** Network and Traceability of the Radiometric and Photometric Standards at the PTB, 403-408.
- Meyer C.W.** Measurements of the Gas Dependence of the Effective Area of a Piston Gauge Using H<sub>2</sub>, <sup>3</sup>He, <sup>4</sup>He, N<sub>2</sub>, CO<sub>2</sub>, SF<sub>6</sub>, C.W. Meyer, M.L. Reilly, 595-597.
- Migdall A.L.** Characterization of a High Sensitivity Composite Silicon Bolometer, G. Eppeldauer, A. Migdall, C. Cromer, 317-320.
- Miiller A.P.** Wavelength Dependence of Normal Spectral Emissivity at the Melting Point of Refractory Transition Metals, F. Righini, A. Rosso, A. Cezairliyan, A.P. Miiller; Reply from C. Ronchi, J.P. Hiernaut, G.J. Hyland, 197-201.
- Molinar G.F.** An Old Instrument in the New Technological Scenery: The Piston Gauge in Liquid Media up to 1 GPa, 615-623.
- , Elastic Distortion Calculations on a Special Piston Gauge (PG27) up to 28 MPa in Different Operational Modes, G.F. Molinar, P.C. Cresto, C. Ehrlich, J. Houck, 635-639.
- , A Pressure Transducer with a Ceramic Free-rod as the Active Element, R. Wisniewski, G.F. Molinar, 683-685.
- , A Free-rod Strain-gauge Pressure Transducer of 1 GPa Capacity, G.F. Molinar, R. Wisniewski, L. Bianchi, 691-694.
- , Experience in the Use of a Strain-gauge Pressure Transducer for Comparison in Liquid Media up to 600 MPa between the NIST and the IMGC, G.F. Molinar, R. Maghenzani, V.E. Bean, D. Ward, 717-720.
- , EUROMET Intercomparison in the Pressure Range 100 MPa to 700 (1000) MPa, J.C. Legras, J. Jäger, G.F. Molinar, S. Palomino, J. Quintas, M.R. White, 721-725.
- Moore R.L.** SOURCE: The Solar Ultraviolet Radiation and Correlative Emissions Mission, P.L. Smith, J.L. Lean, A.B. Christensen, K.L. Harvey, D.L. Judge, R.L. Moore, M.R. Torr, T.N. Woods, 275-277.
- Morozov P.A.** Low Temperature Black Body for Temperatures from 80 K to 300 K, S.P. Morozova, B.E. Lisiansky, P.A. Morozov, V.I. Sapritsky, 369-370.
- Morozova S.P.** Low Temperature Black Body for Temperatures from 80 K to 300 K, S.P. Morozova, B.E. Lisiansky, P.A. Morozov, V.I. Sapritsky, 369-370.
- Nagoshi M.** Surface Analytical Study of Cleaning Effects and the Progress of Contamination on Prototypes of the Kilogram, S. Ikeda, K. Uchikawa, Y. Hashiguchi, M. Nagoshi, H. Kasamura, K. Shiozawa, D. Fujita, K. Yoshihara, 133-144.
- Nelson R.A.** Physiological Units in the SI, R.A. Nelson, L. Ruby, 55-60.
- Nelson V.W.** Performance of Various Diffuser Materials in the Absolute Radiometric Calibration of the SBUV/2, W.K. Fowler, V.W. Nelson, 255-257.
- , Comparison of Spectral Radiance Calibrations of SBUV-2 Satellite Ozone Monitoring Instruments Using Integrating Sphere and Flat-Plate Diffuser Techniques, D.F. Heath, Zhongying Wei, W.K. Fowler, V.W. Nelson, 259-264.
- Nettleton D.H.** Improved Spectral Responsivity Scales at the NPL, 400 nm to 20  $\mu$ m, D.H. Nettleton, T.R. Prior, T.H. Ward, 425-432.

- Nielsen H.S.** Roughness of Smooth Surfaces: STM versus Profilometers, L.L. Madsen, J.F. Jørgensen, K. Carneiro, H.S. Nielsen, 513-516.
- Nithianandam J.** An Anecdotal Review of NASA Earth Observing Satellite Remote Sensors and Radiometric Calibration Methods, J. Nithianandam, B.W. Guenther, L.J. Allison, 207-212.
- Novero C.** The Magnesium Frequency Standard, A. Godone, C. Novero, 163-181.
- Ono A.** Radiometric Calibration of the EOS ASTER Instrument, F. Sakuma, A. Ono, 231-241.
- Ooiwa A.** New Mercury Interferometric Baromanometer as the Primary Pressure Standard of Japan, A. Ooiwa, M. Ueki, R. Kaneda, 565-570.
- , A Heterodyne Laser Interferometric Oil Manometer, M. Ueki, A. Ooiwa, 579-583.
- , Novel Nonrotational Piston Gauge with Weight Balance Mechanism for the Measurement of Small Differential Pressures, 607-610.
- Palmer J.M.** Alternative Configurations for Trap Detectors, 327-333.
- , Getting Intense on Intensity, 371-372.
- Palomino S.** EUROMET Intercomparison in the Pressure Range 100 MPa to 700 (1000) MPa, J.C. Legras, J. Jäger, G.F. Molinar, S. Palomino, J. Quintas, M.R. White, 721-725.
- Paul H.** New High-precision Reference Pressure Transducers from 1 MPa to 50 MPa, 677-681.
- Pavese F.** Error Budget and Accuracy of the IMGC Manobarometer Model BIPM/JAEGER with Automatic Data Acquisition, P.P.M. Steur, F. Pavese, 559-563.
- Penelle B.** Preliminary Results from the SOVA Experiment on Board the European Retrievable Carrier (EURECA), D. Crommelynck, V. Domingo, A. Fichot, C. Fröhlich, B. Penelle, J. Romero, Ch. Wehrli, 375-379.
- Penin A.N.** Absolute Measurement of Quantum Efficiency Based on Parametric Down-conversion Effect, V.M. Ginzburg, N.G. Keratishvili, Ye.L. Korzhenevich, G.V. Lunev, A.N. Penin, 367-368.
- Petit G.** Comparison of GLONASS and GPS Time Transfers, P. Daly, N.P. Koshelyaevsky, W. Lewandowski, G. Petit, C. Thomas, 89-94.
- Petley B.W.** A Measurement of the Nuclear Magnetic Moment of the Helium-3 Atom in Terms of that of the Proton, J.L. Flowers, B.W. Petley, M.G. Richards, 75-87.
- Piper L.G.** An Iodine Standard Lamp, S.J. Davis, K.W. Holtzclaw, K.R. McManus, L.G. Piper, 249-254.
- Pokhodun A.I.** On the Definition of Freezing Points in the ITS-90, Yu. I. Alexandrov, A.G. Ivanova, A.I. Pokhodun, 49-52.
- Pomme N.** A New Method for the Functional Characterization of Piston-Cylinder Assemblies, D. Marqués, J. Forastieri, C. Comi, N. Pomme, D. Jungman, 649-653.
- Poziemski J.** Density, Thermal Expansion and Compressibility of Mercury, K.-D. Sommer, J. Poziemski, 665-668.
- Premoli A.** Estimating the Instabilities of  $N$  Clocks by Measuring Differences of their Readings, P. Tavella, A. Premoli, 479-486.
- Prior T.R.** Improved Spectral Responsivity Scales at the NPL, 400 nm to 20 m, D.H. Nettleton, T.R. Prior, T.H. Ward, 425-432.
- Quinn T.J.** News from the BIPM, 1-5.
- , *Mise en Pratique* of the Definition of the Metre (1992), 523-541.
- Quintas J.** EUROMET Intercomparison in the Pressure Range 100 MPa to 700 (1000) MPa, J.C. Legras, J. Jäger, G.F. Molinar, S. Palomino, J. Quintas, M.R. White, 645-647.
- Rantanen M.** Experiments on the Effect of Torque Used in Mounting the Cylinder on the Effective Area of a Pressure Balance, 645-647.
- Razet A.** Hyperfine Structure Analysis of the 33P(6-3) Line of  $^{127}\text{I}_2$  at 633 nm Using a Continuous-wave Tunable Dye Laser, A. Razet, J. Gagnière, P. Juncar, 61-65.
- , On the Hyperfine Spectrum of the 62P(17-1) Line of  $^{127}\text{I}_2$  at 576 nm, 193-195.
- Reilly M.L.** Measurements of the Gas Dependence of the Effective Area of a Piston Gauge Using  $\text{H}_2$ ,  $^3\text{He}$ ,  $^4\text{He}$ ,  $\text{N}_2$ ,  $\text{CO}_2$ ,  $\text{SF}_6$ , C.W. Meyer, M.L. Reilly, 595-597.
- Reinboth F.** The Effect of Variations in the Refractive Index of Industrial Air upon the Uncertainty of Precision Length Measurement, K.P. Birch, F. Reinboth, R.E. Ward, G. Wilkening, 7-14.
- Rendle C.G.** A Large Area Piston Gauge for Differential and Gauge Pressure from Zero to 3.2 kPa, 611-613.
- Ressler H.** Comparison of GPS Common-view and Two-way Satellite Time Transfer over a Baseline of 800 km, D. Kirchner, H. Ressler, P. Grudler, F. Baumont, Ch. Veillet, W. Lewandowski, W. Hanson, W. Klepczynski, P. Uhrich, 183-192.
- Reymann D.** Comparison of Josephson Voltage Standards of the National Research Council of Canada and the Bureau International des Poids et Mesures, D. Reymann, B. Wood, T.J. Witt, 109-111.
- , Observation and Precise Measurement of Subharmonic Voltage Steps on a 1 V Josephson Junction Array, G. Genève, J.-P. Lo-Hive, D. Reymann, T.J. Witt, 511-512.
- Richards M.G.** A Measurement of the Nuclear Magnetic Moment of the Helium-3 Atom in Terms of that of the Proton, J.L. Flowers, B.W. Petley, M.G. Richards, 75-87.
- Righini F.** Wavelength Dependence of Normal Spectral Emissivity at the Melting Point of Refractory Transition Metals, F. Righini, A. Rosso, A. Cezairliyan, A.P. Müller, Reply from C. Ronchi, J.P. Hiernaut, G.J. Hyland, 197-201.

- Riski K.** Gauge-block Interferometer Based on One Stabilized Laser and a White-light Source, E. Ikonen, K. Riski, 95-104.
- Romero J.** Preliminary Results from the SOVA Experiment on Board the European Retrieval Carrier (EURECA), D. Crommelynck, V. Domingo, A. Fichot, C. Fröhlich, B. Penelle, J. Romero, Ch. Wehrli, 375-379.
- Ronchi C.** Wavelength Dependence of Normal Spectral Emissivity at the Melting Point of Refractory Transition Metals, F. Righini, A. Rosso, A. Cezairliyan, A.P. Müller; Reply from C. Ronchi, J.P. Hiernaut, G.J. Hyland, 197-201.
- Rosasco G.J.** Development of a Primary Standard for the Measurement of Dynamic Pressure and Temperature, V.E. Bean, W.J. Bowers Jr., W.S. Hurst, G.J. Rosasco, 747-750.
- Rosso A.** Wavelength Dependence of Normal Spectral Emissivity at the Melting Point of Refractory Transition Metals, F. Righini, A. Rosso, A. Cezairliyan, A.P. Müller; Reply from C. Ronchi, J.P. Hiernaut, G.J. Hyland, 197-201.
- Ruby L.** Physiological Units in the SI, R.A. Nelson, L. Ruby, 55-60.
- Sakuma F.** Radiometric Calibration of the EOS ASTER Instrument, F. Sakuma, A. Ono, 231-241.
- Samaan N.D.** Computer-aided Modelling of Pressure Balances, N.D. Samaan, F. Abdullah, 641-644.
- Sánchez-Pérez A.M.** Comparison of He-Ne Lasers from the LMM and the IMGC Stabilized on  $^{127}\text{I}_2$  at 633 nm, J. de Vicente, A.M. Sánchez-Pérez, F. Bertinetto, 503-506.
- Sandel B.R.** Using the *Voyager* Spacecraft for Solar EUV Spectral Radiometry, P.L. Smith, B.R. Sandel, J.B. Holberg, 397-401.
- Sapritsky V.I.** A Method of Realizing Spectral Irradiance Based on an Absolute Cryogenic Radiometer, B. Carol Johnson, C.L. Cromer, R.D. Saunders, G. Eppeldauer, J. Fowler, V.I. Sapritsky, G. Dezs, 309-315.
- , Low Temperature Black Body for Temperatures from 80 K to 300 K, S.P. Morozova, B.E. Lisiansky, P.A. Morozov, V.I. Sapritsky, 369-370.
- Sardi M.** A New Generation of Mercury Manometers at the IMGC, F. Alasia, A. Capelli, G. Cignolo, M. Sardi, 571-577.
- Saunders R.D.** A Method of Realizing Spectral Irradiance Based on an Absolute Cryogenic Radiometer, B. Carol Johnson, C.L. Cromer, R.D. Saunders, G. Eppeldauer, J. Fowler, V.I. Sapritsky, G. Dezs, 309-315.
- Schmidt J.W.** Gas and Mode, Vertical and Rotational Effects with a Three Piston Gauge Apparatus, J.W. Schmidt, B.E. Welch, C.D. Ehrlich, 599-602.
- Sharma D.R.** Effect of Line Pressure on the Zero Stability of a Differential Quartz Bourdon Gauge for Various Gases, J.K.N. Sharma, D.R. Sharma, A.C. Gupta, 37-43.
- Sharma J.K.N.** Effect of Line Pressure on the Zero Stability of a Differential Quartz Bourdon Gauge for Various Gases, J.K.N. Sharma, D.R. Sharma, A.C. Gupta, 37-43.
- Shiozawa K.** Surface Analytical Study of Cleaning Effects and the Progress of Contamination on Prototypes of the Kilogram, S. Ikeda, K. Uchikawa, Y. Hashiguchi, M. Nagoshi, H. Kasamura, K. Shiozawa, D. Fujita, K. Yoshihara, 133-144.
- Siegoczyński R.M.** Phase Transitions in Pure Castor Oil at Pressures Below 1 GPa, R. Wiśniewski, R.M. Siegoczyński, J. Jędrzejewski, 673-675.
- Simpson D.I.** Computerized Techniques for Calibrating Pressure Balances, 655-658.
- Skrovánek T.** The SMU Primary Mercury Manometer and its Comparison with Three Manometers of Different Design, P. Farář, T. Skrovánek, Z. Faltus, M. Chytil, 751-755.
- Smith P.L.** SOURCE: The Solar Ultraviolet Radiation and Correlative Emissions Mission, P.L. Smith, J.L. Lean, A.B. Christensen, K.L. Harvey, D.L. Judge, R.L. Moore, M.R. Torr, T.N. Woods, 275-277.
- , Using the *Voyager* Spacecraft for Solar EUV Spectral Radiometry, P.L. Smith, B.R. Sandel, J.B. Holberg, 397-401.
- Somlo P.I.** International Comparison of Impedance in Coaxial Line at 100, 200, 300 MHz, J.P. Ide, H. Bayer, R.N. Jones, J.P.M. de Vreede, P.I. Somlo, 31-35.
- Sommer K.-D.** Density, Thermal Expansion and Compressibility of Mercury, K.-D. Sommer, J. Poziemski, 665-668.
- Steur P.P.M.** Error Budget and Accuracy of the IMGC Manobarometer Model BIPM/JAEGER with Automatic Data Acquisition, P.P.M. Steur, F. Pavese, 559-563.
- Stock K.D.** Present State of the PTB Primary Standard for Radiant Power Based on Cryogenic Radiometry, K.D. Stock, H. Hofer, 291-296.
- Stock M.** Present State of the Comparison between Radiometric Scales Based on Three Primary Standards, M. Stock, J. Fischer, R. Friedrich, H.J. Jung, R. Thomagel, G. Ulm, B. Wende, 439-449.
- Strunck V.** Three-component Laser Doppler Anemometer for Gas Flowrate Measurements up to 5 500 m<sup>3</sup>/h, D. Dopheide, V. Strunck, E.-A. Krey, 453-469.
- Stuart P.R.** Progress Report on an International Intercomparison in the Pressure Range 10 kPa to 140 kPa, 705-709.
- , Measurement Uncertainties of U-tube Manometers and Pressure Balances, 727-735.
- Sutton C.M.** A General Approach to Comparisons in the Presence of Drift, C.M. Sutton, M.T. Clarkson, 487-493.
- , The Pressure Balance as an Absolute Pressure Standard, 591-594.
- Tavella P.** Estimating the Instabilities of *N* Clocks by Measuring Differences of their Readings, P. Tavella, A. Premoli, 479-486.



- Tegeler E.** Recommendations for Future Work in Air UV Spectral Radiometry: Results of a Report to the CCPR, 373-374.
- Thomas C.** Comparison of GLONASS and GPS Time Transfers, P. Daly, N.P. Koshelyaevsky, W. Lewandowski, G. Petit, C. Thomas, 89-94.
- Thomas S.** In-flight Evaluations of Tungsten Calibration Lamps Using Shortwave Thermistor Bolometers and Active-cavity Radiometers, R.B. Lee III, L.M. Avis, M.A. Gibson, S. Thomas, R. Wilson, 389-395.
- Thor A.J.** New International Standards for Quantities and Units, 517-522.
- Thornagel R.** Present State of the Comparison between Radiometric Scales Based on Three Primary Standards, M. Stock, J. Fischer, R. Friedrich, H.J. Jung, R. Thornagel, G. Ulm, B. Wende, 439-449.
- Tilford C.R.** Three and a Half Centuries Later - The Modern Art of Liquid-column Manometry, 545-552.
- Torr M.R.** SOURCE: The Solar Ultraviolet Radiation and Correlative Emissions Mission, P.L. Smith, J.L. Lean, A.B. Christensen, K.L. Harvey, D.L. Judge, R.L. Moore, M.R. Torr, T.N. Woods, 275-277.
- Trzeciakowski W.** New Ideas in Semiconductor Pressure Sensors, 695-699.
- Tuninsky V.S.** Expression of the Difference Between Representations of a Unit in Terms of Transfer Standard Data, V.S. Tuninsky, 107-108.
- Uchikawa K.** Surface Analytical Study of Cleaning Effects and the Progress of Contamination on Prototypes of the Kilogram, S. Ikeda, K. Uchikawa, Y. Hashiguchi, M. Nagoshi, H. Kasamura, K. Shiozawa, D. Fujita, K. Yoshihara, 133-144.
- Ueki M.** New Mercury Interferometric Baromanometer as the Primary Pressure Standard of Japan, A. Ooiwa, M. Ueki, R. Kaneda, 565-570.
- , A Heterodyne Laser Interferometric Oil Manometer, M. Ueki, A. Ooiwa, 579-583.
- Uhrich P.** Comparison of GPS Common-view and Two-way Satellite Time Transfer over a Baseline of 800 km, D. Kirchner, H. Ressler, P. Grudler, F. Baumont, Ch. Veillet, W. Lewandowski, W. Hanson, W. Klepczynski, P. Uhrich, 183-192.
- Ulm G.** Present State of the Comparison between Radiometric Scales Based on Three Primary Standards, M. Stock, J. Fischer, R. Friedrich, H.J. Jung, R. Thornagel, G. Ulm, B. Wende, 439-449.
- Varma S.P.** Standard of Specular Reflectance at Glancing Incidence for the Infrared Region, D. Gupta, S.P. Varma, 433-438.
- Veillet Ch.** Comparison of GPS Common-view and Two-way Satellite Time Transfer over a Baseline of 800 km, D. Kirchner, H. Ressler, P. Grudler, F. Baumont, Ch. Veillet, W. Lewandowski, W. Hanson, W. Klepczynski, P. Uhrich, 183-192.
- Vergne Ph.** Candidate Fluids for High-pressure Piston Standards: State of the Art and Possible Trends, 669-672.
- Ward D.** Experience in the Use of a Strain-gauge Pressure Transducer for Comparison in Liquid Media up to 600 MPa between the NIST and the IMGC, G.F. Molinar, R. Maghenzani, V.E. Bean, D. Ward, 717-720.
- Ward R.E.** The Effect of Variations in the Refractive Index of Industrial Air upon the Uncertainty of Precision Length Measurement, K.P. Birch, F. Reinboth, R.E. Ward, G. Wilkening, 7-14.
- Ward T.H.** Improved Spectral Responsivity Scales at the NPL, 400 nm to 20 m, D.H. Nettleton, T.R. Prior, T.H. Ward, 425-432.
- Wehrli Ch.** Preliminary Results from the SOVA Experiment on Board the European Retrievable Carrier (EURECA), D. Crommelynck, V. Domingo, A. Fichot, C. Fröhlich, B. Penelle, J. Romero, Ch. Wehrli, 375-379.
- Welch B.E.** Gas and Mode, Vertical and Rotational Effects with a Three Piston Gauge Apparatus, J.W. Schmidt, B.E. Welch, C.D. Ehrlich, 599-602.
- Wende B.** Present State of the Comparison between Radiometric Scales Based on Three Primary Standards, M. Stock, J. Fischer, R. Friedrich, H.J. Jung, R. Thornagel, G. Ulm, B. Wende, 439-449.
- White M.G.** Uniformity of Quantum Efficiency of Single and Trap-configured Silicon Photodiodes, M.G. White, A. Bittar, 361-364.
- White M.R.** EUROMET Intercomparison in the Pressure Range 100 MPa to 700 (1000) MPa, J.C. Legras, J. Jäger, G.F. Molinar, S. Palomino, J. Quintas, M.R. White, 721-725.
- Whitford B.G.** Uncertainty in Frequency Measurements at 88 THz Made with the NRC Frequency Chain: Frequency of the NRC HeNe/CH<sub>4</sub> Laser, 145-154.
- Wilkening G.** The Effect of Variations in the Refractive Index of Industrial Air upon the Uncertainty of Precision Length Measurement, K.P. Birch, F. Reinboth, R.E. Ward, G. Wilkening, 7-14.
- Williams D.E.** Calibration and Radiometric Stability of the Shuttle Solar Backscatter Ultraviolet (SSBUV) Experiment, E. Hilsenrath, D.E. Williams, R.T. Caffrey, R.P. Cebula, S.J. Hynes, 243-248.
- Wilson R.** In-flight Evaluations of Tungsten Calibration Lamps Using Shortwave Thermistor Bolometers and Active-cavity Radiometers, R.B. Lee III, L.M. Avis, M.A. Gibson, S. Thomas, R. Wilson, 389-395.
- Wiśniewski R.** Phase Transitions in Pure Castor Oil at Pressures Below 1 GPa, R. Wiśniewski, R.M. Siegoczyński, J. Jędrzejewski, 673-675.
- , A Pressure Transducer with a Ceramic Free-rod as the Active Element, R. Wiśniewski, G.F. Molinar, 683-685.
- , A Free-rod Strain-gauge Pressure Transducer of 1 GPa Capacity, G.F. Molinar, R. Wiśniewski, L. Bianchi, 691-694.

- Witt T.J.** Comparison of Josephson Voltage Standards of the National Research Council of Canada and the Bureau International des Poids et Mesures, D. Reymann, B. Wood, T.J. Witt, 109-111.
- , Observation and Precise Measurement of Subharmonic Voltage Steps on a 1 V Josephson Junction Array, G. Genevès, J.-P. Lo-Hive, D. Reymann, T.J. Witt, 511-512.
- Woo S.Y.** A New Design of Manganin Gauge and its Metrological Characteristics, S.Y. Woo, A. Keprt, H.J. Lee, 607-610.
- Wood B.** Comparison of Josephson Voltage Standards of the National Research Council of Canada and the Bureau International des Poids et Mesures, D. Reymann, B. Wood, T.J. Witt, 109-111.
- Woods T.N.** SOURCE: The Solar Ultraviolet Radiation and Correlative Emissions Mission, P.L. Smith, J.L. Lean, A.B. Christensen, K.L. Harvey, D.L. Judge, R.L. Moore, M.R. Torr, T.N. Woods, 275-277.
- Yoshihara K.** Surface Analytical Study of Cleaning Effects and the Progress of Contamination on Prototypes of the Kilogram, S. Ikeda, K. Uchikawa, Y. Hashiguchi, M. Nagoshi, H. Kasamura, K. Shiozawa, D. Fujita, K. Yoshihara, 133-144.
- Zakharov A.A.** Intercomparison of Primary Manometers in the Range 30 kPa to 110 kPa: Pressure Balance at the LNE and Mercury Manometer at the VNIIFTRI, D.N. Astrov, J. Guillemot, J.C. Legras, A.A. Zakharov, 717-720.
- Zhongying Wei.** Comparison of Spectral Radiance Calibrations of SBUV-2 Satellite Ozone Monitoring Instruments Using Integrating Sphere and Flat-Plate Diffuser Techniques, D.F. Heath, Zhongying Wei, W.K. Fowler, V.W. Nelson, 259-264.

